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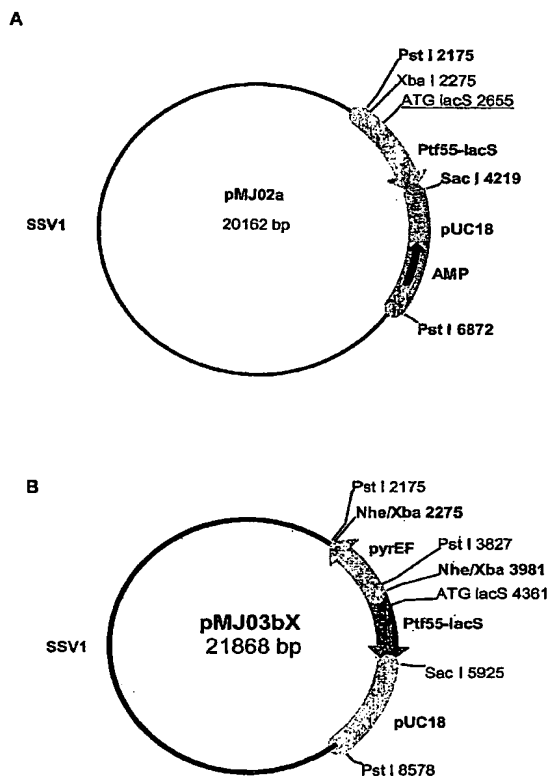
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(54) Title: ARCHAEOON EXPRESSION SYSTEM



(57) Abstract: The present invention relates to a sulfolobus ex-
pression vector comprising: (a) a sulfolobus origin of replication;
(b) the genes encoding the structural proteins and the site-spe-
cific integrase of SSV1, SSV2 or pSSVx, operatively linked to
expression control sequences and a packaging signal; (c) one or
more selectable marker gene(s), operatively linked to sulfolobus
expression control sequences; and (d) a sulfolobus promoter fol-
lowed 3' by a restriction enzyme recognition site or a multiple
cloning site for insertion of a gene of interest and optionally a
3' regulatory element. Moreover, the present invention relates
to a shuttle vector comprising the sequences of the expression
vector of the invention and additional sequences for propagation
and selection in *E. coli*, wherein the additional sequences com-
prise (a) an *E. coli* origin of replication; and (b) a marker for selection
in *E. coli*. Furthermore, the invention relates to host cells trans-
formed with the expression vector as well as to a kit comprising a
vector or a host cell of the present invention. Finally, the present
application also relates to a method for generating infectious sub-
viral particles.

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